RIYAZ FAIZULLABHOY

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EDUCATION:

8/11 – 5/15 **University of California, Berkeley** Berkeley, CA

- B.S. Electrical Engineering and Computer Science (EECS)
- Overall GPA: 3.98, Major GPA: 4.00
- EECS Honors Degree Program Member, emphasis in computational biology
- Member and Officer of Eta Kappa Nu – EECS Honor Society
  - President: Fall 2014, Department Relations Officer: Spring 2014, Tutoring Officer: 2013

EXPERIENCE:

5/14 – 8/14 **LinkedIn – Software Engineering Intern: Higher Education Team** Mountain View, CA

- Built features from multiple levels of the stack in a Scrum environment, from Java services to client-side templates, styling, and Javascript. Also wrote Selenium and Java unit tests for these features
- Enhanced the notable alumni feature by building a rating system for school admins. The system was full stack: used offline Pig jobs and python scripts to compute ratings, which were further processed in the Java server layer before being served to a custom Dust.js, CSS, and Javascript client page
- Improved discoverability of the field of study pages by creating entry points from the profile page and education hub page, using the user's computed field of study to create a customized Dust.js front-end on the page. Used LinkedIn's Hopscotch Javascript library for first-time tours on the page

2/14 – 5/14 **Secure Computing Research for Users' Benefit (SCRUB) – Researcher** Berkeley, CA

- Developed a feature extraction analysis module using Spark on malware data collected by VirusTotal and McAfee in iPython, running in parallel on an Intel research cluster of over 45 cores
- Classified and predicted malware with very high accuracy, performing a grid search to optimize hyperparameters of the scikit-learn linear support vector machine

8/13 – 5/14 **UC Berkeley EECS Department – Undergraduate Teaching Assistant** Berkeley, CA

- Organized, prepared, and lead multiple weekly hour-long discussion sections for machine structures (CS 61C Fall 2013) and operating systems (CS 162 Spring 2014). Synthesized course content
- Scored 4.8/5 on overall teaching effectiveness at the end of semester course survey

5/13 – 8/13 **Qualcomm – Software Engineering Intern: Target SW Team** San Diego, CA

- Designed and implemented features for an Android application using the Android SDK and NDK to test all aspects of the newest Qualcomm Snapdragon chipsets. Features included audio playback, network diagnostic tests, graphics benchmark tests, and a Jetty server to interface with test devices
- Awarded a Diamond QualStar award – the highest honor for excellent intern work

6/12 – 6/13 **Lab for Mathematical and Computational Biology – Researcher** Berkeley, CA

- Added tools to the eXpress DNA and RNA high-throughput sequencing tool to benefit user experience, wrote parsers for varying file formats and manipulated data using the PySam/Samtools API to standardize input amongst all users to minimize user error

SKILLS AND INTERESTS:

Proficient in: Python, Java, C, MATLAB, Hadoop, Spark

Experience with: Android SDK/NDK development, Apache Pig, Javascript, templating, CSS, Git, Ant

Interests: Computing in science, machine learning, big data, mobile devices, int'l travel